

PanSurvival

Hello Greg,

On this document are the following pages:

1. Description of the app
2. Rough draft of the Trip Form
3. User Case Scenario
4. Rough draft of the Emergency Response Instructions
5. What is already out there?
6. Screen shots of the app I created using an online app builder

(NOTE THIS PROJECT IS SERVING TWO PURPOSES, FIRST, INORDER TO GRADUATE FROM COLLEGE IN DECEMBER, 2016 I MUST COMPLETE A SENIOR THESIS. THE MOBLE APPLICATION DEMOSTRATION WILL BE PART OF MY ORAL PRESENTATION AND WILL GO ALONG WITH A 30-40 PAGE WRITTEN DOCUMENT ON THE PRESENT STATE OF THE ALASKA WILDERNESS RESCUE SYSTEM. SECOND, I WANT THE MOBLE APP, WEBSITE, DATABASE AND BLOG COMPONET OF THE WEB SITE TO BE MY PROJECT AFTER COLLEGE TO ADVANCE. THE PLAN WOULD BE TO DEVELOP THE MOBLE APP FOR ALL FIFTY STATES, THEN SYSTEMATICALLY WORK ON THE SAME INTERNATIONALLY. I AM NOT SURE IF DAD TOLD YOU BUT, I HAVE BEEN TRAINED AS A FIREFIGHTER, EMERGENCY MEDICAL TECHNICIAN, AND HAVE ADDED QUALIFICATION IN WILDERNESS RESCUE, WHITE WATER RESUCE, AVALANCE RESCUE, ROPE AND MOUNTAN CLIMBING RESCUE AND HAVE PERSONALLY HIKE THE HYMALAYAS, ALASKIAN MOUNTAINS, COSTA RICA MOUNTANS, MONTANA MOUNTANS, NORTH CAROLINA MOUNTANS AND THE PLAINS IN GHANA, AFRICA. I WANT TO DEVELOP THIS SITE (PANSURVIVAL), BLOG, DATABASE AND MOBILE APP AS MY VEHICLE TO ALLOW ME TO STUDY, COLLECT DATA, PUBLISH ARTICLES, AND CREATE A WORLD WIDE DATA BASE OF WILDNESS RESCUE. AFTER I BEGIN ACCOMPLISHING THIS AND I AM SUCCESSFUL, I WOULD LIKE TO USE THE ENTIRE CONCEPT AS A

STEEPING STONE TO GET MY DOCTORATE AT YALE UNIVERSITY IN THEIR FOREST SCIENCE DEPARTMENT. DAD TOLD ME YOU ARE THE SMARTEST, MOST BRILLIANT COMPUTER SCIENTIST/BUSINESSMAN AND A “HELL OF A GREAT PERSON WITH INCREDIBLE INSIGHT”.

I NEED YOUR HELP! I WANT TO BECOME THE WORLDS WILDERNESS EXPERT THAT GOVERNMENTS, PRIVATE SECTOR AND PRIVATE INDIVIDUALS TURN TO IN ORDER TO GET CREDIBLE INFORMATION AND SECURITY WHEN THEY TRAVEL AND INCLUDE OUT DOOR ADVENTURE AS PART OF THEIR EXPERIENCES.)

Description

PanSurvival is a smartphone app that provides an easy and accessible way to create a Trip Form for hiking/outdoor excursions. A Trip Form is the equivalent of an FAA flight plane for planes, but for outdoor activities. Once properly filled out, the application will email your designated emergency contact the Trip Form, along with brief emergency response instructions in case of a late check-in by the Trip Form party. If there is a late-check in, the designated emergency contact can read the emergency response instructions, call the Alaska State Troopers (AST), and forward them the Trip Form. The AST then has all of the critical information it needs in order to begin their investigation and start staging Search and Rescue resources.

Below is a rough draft of the Trip Form...

Trip Form
(rough draft)

Personal Information

- | | |
|--|--|
| <p>A) Full Name:</p> <p>B) Date of birth:</p> <ul style="list-style-type: none">- Sex:- Height:- Weight:- Demographics:- Eye Color:- Hair Color:- Shoe size:- Shoe brand/type: <p>C) Home Address:</p> <p>D) Cell #</p> <p style="padding-left: 20px;">Home #</p> <p style="padding-left: 20px;">Work #</p> | <p>E) Degree of outdoor experience:
10 being equivalent to a Navy Seal, 1
being a coach-potato</p> <p>F) Degree of Physical Fitness:
10 being the equivalent to an
Olympian, 1 being a coach-potato</p> <p>G) Degree of familiarity with the area:
10 being a knowledgeable resident, 1
being a clueless tourist</p> <p>H) Signature Clue:</p> |
|--|--|

Logistics

- | | |
|---|---|
| <p>A) Intended goal:</p> <p>B) Planned Departure from:</p> <p>C) Departure time:</p> <p>D) Final Destination:</p> <p>E) Arrival time at final destination:</p> <p>F) Total # of hours for planned activity:</p> | <p>G) Vehicle left at trailhead Y/N</p> <p style="padding-left: 20px;">Make:</p> <p style="padding-left: 20px;">Model:</p> <p style="padding-left: 20px;">License #:</p> <p>H) Resupply: Y/N</p> <p style="padding-left: 20px;">Where:</p> <p style="padding-left: 20px;">When:</p> <p>I) Route description/notes:</p> |
|---|---|

Equipment

A) Do you have the following recommended items:

- | | | |
|--|--|---|
| - Knife <input type="checkbox"/> | - Rain gear <input type="checkbox"/> | - Cordage <input type="checkbox"/> |
| - Flash light <input type="checkbox"/> | - First-aid Kit <input type="checkbox"/> | - Fire starter <input type="checkbox"/> |
| - Shelter <input type="checkbox"/> | - GPS unit <input type="checkbox"/> | - Tinder <input type="checkbox"/> |
| - Extra food <input type="checkbox"/> | - Cell phone <input type="checkbox"/> | - Map <input type="checkbox"/> |
| - Extra water <input type="checkbox"/> | | - Compass <input type="checkbox"/> |
| - Signal mirror <input type="checkbox"/> | | - Extra clothing <input type="checkbox"/> |

C) Transportation

- ATV ☐
- Snow-machine ☐
- Mountain Bike ☐
- Raft/kayak/canoe ☐
- Vehicle ☐

B) Additional Items

- Climbing gear ☐
- Hunting gear/weapons ☐
- Winter travel gear ☐
(skis, snowshoes)

Medical Information

A) Do you have...

- **Asthma** ☐
 - i. Do you have your metered-dose inhaler: Y/N
- **Diabetes** ☐
 - ii. Insulin Dependent Y/N
 - iii. Do you have enough insulin and supplies for the trip Y/N
 - 1. How much Insulin are you bringing:
- **Seizure Disorder** ☐
 - iv. Do you have enough medication for the trip Y/N
 - 1. How much medication are you bringing:
- **Allergies** ☐
 - v. Allergic to:
 - vi. What happens when you get exposed to the allergen/s:
 - vii. Do you have an Epi-pen with you: Y/N
 - viii. Do you have antihistamine with you Y/N
- **Cardiac problems** ☐
 - ix. Do you have Aspirin Y/N
 - x. Do you have enough cardiac medication for the trip Y/N
 - 1. How much medication are you bringing:
- **Reoccurring joint or back pain** ☐
 - xi. Do you have a NSAID Y/N
- **Mental health diagnosis:**
- **Medications** ☐
 - xii. Name -
 - xiii. Dosage -
 - xiv. Frequency -
 - xv. Relevant side effects –

User Case Scenario

Jerry is visiting Alaska and wants to go on a hiking trip in Denali National Park. He is unfamiliar with the area, and does not know the preparation necessary for the trip. Jerry downloads the app PanSurvival, and begins filling out a Trip Form. The Trip Plan reminds him of necessary gear he should bring and the planning he needs to undergo before setting out on his excursion. Jerry is hiking alone, and wants to ensure his safe return, so he completes the Trip Form and designates his brother as his emergency contact. Once Jerry filled out the entire Trip Form, PanSurvival emailed the form to his brother, along with a set of emergency response instructions in case Jerry does not return by the predetermined time.

The predetermined return time goes by, and Jerry's brother, Max, has made no contact with Jerry. Max then refers to the Trip Plan that was emailed to him before Jerry set out on his hike. Max reads the emergency response instructions, calls the Alaska State Troopers, emails them a copy of the Trip Form, and awaits further instructions by the AST. The AST now has Jerry's physical description, logistical information, medical information, and a list of the equipment Jerry is carrying. The AST can then begin investigating the report of Jerry's late check-in immediately, and can start staging Search and Rescue resources in the event that the report is deemed credible and actionable.

The purpose of PanSurvival is two-fold. First, the app is a reminder of the necessary equipment one should bring on outdoor activities within the wilderness, as well as the critical information needed to plan a safe excursion. Second, it facilitates the rapid movement of information from the reporting party to the local authorities. Instead of a worried brother

frantically calling the AST (OR GENERALLY NOT KNOWING WHERE TO CALL TO GET HELP) trying to explain that his brother Jerry is missing, having little information about his brother's whereabouts and trip goals, Max can easily relay the appropriate information to the AST in a timely manner, reducing the amount of time it takes the AST to investigate the claim of a missing person.

All I want the PanSurvival app to do at this point is to provide an intractable Trip Form that can be filled out on a smartphone and automatically emailed to a predetermined emergency contact, along with brief emergency response instructions.

Below is a rough draft of the emergency response instructions...

(rough draft)

READ **E**mergency **R**esponse **I**nstructions if no contact is made with Trip Party by ____: ____
PM/AM

Emergency Response Instructions...

Step 1: Do you have a genuine concern for the safety of any persons who have not returned or checked-in?

If yes, then continue with **Step 2**. Otherwise **STOP** -- no further action is required

Step 2: Have the party's Trip Plan on hand. Be ready to email that Trip Plan to the Alaska State Troopers.

Alaska State Troopers email: abcdefg@higklm.com

Step 3: Call the following **contact**...

Rescue Authority: Alaska State Troopers # (xxx) xxx – xxxx

Step 4: Inform the Alaska State Troopers that you are calling on account of a late check-in. Follow any instructions given to you by the Alaska State Troopers, and relay appropriate information in a timely manner.

What is already out there?

The following website is a good example of what I am trying to create as an app.

1. <https://www.adventuresmart.ca/tripplan/tripplan.php> (Canadian website)

The following website is another example, but one geared towards marine recreationists.

2. <http://floatplancentral.cgaux.org>

Below are screen shots of what I would generally like the app to look like...(I made it using an online app builder, which is limited in what it can do)...



PanSurvival Inc



What is PanSurvival



Wilderness Trip Form



Alternate W.T.P.



E.R.I.



Alaska State Troopers Contact



Personal Information

A) Full Name: _____

B) Home Address: _____

C) Cell # _____

Home # _____

Work # _____

D) Level of outdoor experience: ____

10 = a Navy Seal, 1 = a coach potato

E) Level of Physical Fitness: ____

10 = an Olympian, 1 = a coach potato

F) Level of familiarity with the area: ____

10 = local resident with in-depth knowledge of terrain, 1 = tourist

G) - DOB: _____

- Sex: _____

- Height: _____

- Weight: _____

- Demographics: _____

- Eye Color: _____

- Hair Color: _____

Route Information

H) Intended goal: _____

Final destination: _____

Arrival time at final destination: _____

Planned departure from: _____



Wilderness Trip Report

Fill out the following form and email to your in town-emergency contact...

Name - First, M, Last

Email

Gender

Select Gender



Phone #1

Phone #2

Address

Emergency contact
name

Emergency contact
number

Emergency contact
address

Level of Outdoor
Experience

Level of Physical
Fitness

Level of Familiarity
with Area

DOB

Height

Weight

Demographics



Emergency Response Instructions

READ E.R.I. if no contact received by ____:____ PM/AM

Emergency Response Instructions...

Step 1: Do you have a genuine concern for the safety or welfare of any persons who have not returned or checked-in, in a reasonable amount of time?

If yes, then continue with Step 2. Otherwise STOP -- no further action is required

Step 2: Have the expedition party's trip report on hand. Be ready to email that report to the Alaska State Troopers.

Alaska State Troopers email: abcdefg@higklm.com

Step 3: Call the following contact...

- Rescue Authority: Alaska State Troopers # (xxx) xxx - xxxx

Step 4: Let the Alaska State Troopers know that...

"Hello, my name is _____, I am calling on the account of a late check-in by an expedition/hiking/etc... party. I am the in-town emergency contact. It has been ____ hours since my last contact with missing individuals..."

*Follow any instructions given to you and relay appropriate information in a timely manner.



PanSurvival Inc



AST (a)



AST (b)



PanSurvival Inc

Post Location	Phone Number	Fax Number	Mailing Address	Zip
Anchorage	269-5511	337-2059	5700 E Tudor Road	99507
Anchor Point	235-8239	235-8067	P.O. Box 807	99556
Aniak	675-4398	675-4498	PO Box 167	99557
Bethel	543-2294	543-5102	PO Box 268	99559
Cantwell	768-2202	768-2203	PO Box 28	99729
Cold Bay	532-2440	532-2724	PO Box 42	99571
Coldfoot	678-5211	678-3668	PO Box 9046	99701
Cooper Landing	595-1233	585-5911	PO Box 741	99572
Cordova	424-3184	424-5454	PO Box 379	99574
Delta Junction	895-4800	895-4026	PO Box 465	99737
Dillingham	842-5641	842-5795	PO Box 950	99576
Dutch Harbor	581-1432	581-1407	PO Box 920848	99692
Emmonak	1-866-949-1303	949-1300	PO Box 29	99581
Fairbanks	451-5100	451-3002	1979 Peger Road	99709
Galena	656-1233	656-1530	P.O. Box 89	99741
Girdwood	783-0972	783-2026	PO Box 663	99587
Glennallen	822-3263	822-5594	PO Box 26	99588
Haines	766-2552	766-3265	PO Box 229	99827
Healy	683-2232	683-2231	PO Box 28, Cantwell	99729
Hoonah	945-3620	945-3570	PO Box 463	99829
Iliamna	571-1871	571-1807	PO Box 31	99606
Juneau	465-4000	465-3333	PO Box 111201	99811
Ketchikan	225-5118	225-8679	7366 N. Tongass Hwy.	99901
King Salmon	246-3307	246-6259	PO Box 226	99613
Kodiak	486-4121	486-5810	2921 #A Mill Bay Road	99615
Kotzebue	442-3222	442-3221	PO Box 669	99752
Mat-Su West	373-8300	373-8351	7361 W. Parks Hwy #822, Wasilla	99654
McGrath	524-3052	524-3053	PO Box 36	99627
Nenana	832-5554	832-5425	PO Box 28, Cantwell	99729